



ENERGY STAR Designation – P&G Development Building

Energy Center fact sheet

4/2006

Building Facts:

- Address – 1659 E. Elm, Jefferson City
- Owner – P&G Development, Jefferson City
- Occupant – Missouri Department of Natural Resources, Division of State Parks and Division of Environmental Quality's Air Pollution Control Program.
- Size – 44,000 gross square feet

Energy Facts:

- Average Annual Energy Cost (1995-1997) – \$2.12 per square foot
- Average Annual Energy Cost (after efficiency improvements) – 74 cents per square foot
- Average Annual Energy Cost Savings – \$55,000
- Estimated Payback on Investment – 11.3 years

Energy Efficiency Features:

- Ground source heat pump
- High efficiency heating, ventilation and air conditioning system
- High efficiency lighting fixtures
- Motion sensors
- LED exit signs

Savings Opportunities for State Government

The energy efficiency improvements made to this building serve as a model throughout state government. The improvements listed above comprise well-recognized, readily available technologies that, with implementation, can help state government save millions of dollars in energy bills every year.

Environmental Impacts:

Because of the decreased electricity need, it is estimated that the energy improvements will prevent the release of 3 million pounds of carbon dioxide, sulfur dioxide and oxides of nitrogen emissions into the air annually.

What is ENERGY STAR?

In 1992 the U.S. Environmental Protection Agency (EPA) introduced ENERGY STAR as a voluntary labeling program designed to identify and promote energy-efficient products to reduce greenhouse gas emissions. Computers and monitors were the first labeled products. Through 1995, EPA expanded the label to additional office equipment products and residential heating and cooling equipment. In 1996, EPA partnered with the U.S. Department of Energy (DOE) for particular product categories. The ENERGY STAR label is now on major appliances, office equipment, lighting, home electronics, and more. EPA has also extended the label to cover new homes and commercial and industrial buildings.

